

	Document ID	Kind Code	Source	Is
1	US 5386012		DERWEN	19
2	US 5263992		USPAT	19
3	US 5260071		USPAT	19

ABSTRACTED-PUB-NO: EP 594592B

BASIC-ABSTRACT: A method of increasing natural collagen synthesis at the site of an artificial transplant by immobilising a biologically active agent on the transplant is claimed. The agent is a growth factor for collagen and is the copper-complex of the tripeptide glycyl-L-histidyl-L-lysine, which is immobilised because the terminal carboxyl gp. of lysine is covalently bound to the transplant.

USE/ADVANTAGE - The method is used to give more rapid replacement of transplants with human tissue. The transplant consists of poly-L-lactic acid, polyglycolic acid or copolymers of glycolic acid, lactic acid, alpha-hydroxy derivs. of (iso)butyric acid, valeric acid or isovaleric acid (claimed). The method also increases tissue-protective SOD activity and has a chemoattractive effect on e.g. mast and capillary endothelial cells which accumulate at transplant sites, stimulating new formation of blood vessels and flow nourishment to the area.

ABSTRACTED-PUB-NO: US 5386012A

EQUIVALENT-ABSTRACTS: Artificial implant having the ability of increasing natural collagen synthesis, characterised in that it contains the copper complex of the tripeptide glycyl-L-histidyl-L-lysine which is immobilised on the implant through a covalent bound of the carboxyl group of the lysine.

Synthetic implant agent and tissue growth factor comprises the Cu complex of the tripeptide Gly-His-Lys, bonded to a biocompatible polymer through the Lys carboxyl gp., e.g. with an immobilised diamine function.

Pref. biocompatible polymers are obtd. from alpha-hydroxycarboxylic acids, e.g. poly-L-lactic acid and polyglycolic acid.

USE/ADVANTAGE - The presence of the Cu complex stimulates fibroblastic collagen synthesis around implants. The prods. accelerate the replacement of implants with human tissues.

WO 9112014A

CHOSEN-DRAWING: Dwg.0/2 Dwg.0/2 Dwg.0/2

TITLE-TERMS:

Search Logic

"tissue same growth adj factor with (bonding or bond or bonded) "

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DOCUMENT-IDENTIFIER: US 5260071 A
TITLE: Drug units and methods for using same

CLPR:

17. A method in accordance with claim 5 wherein said drug contains a quantity of an adhesive material which is operable to bond the epidermal growth factor of said drug to the wall of said digestive tract including said wound tissue.

CLPV:

c) allowing a portion of said drug compound to bond to a select portion of the wall of said digestive tract to retain the epidermal growth factor thereof in contact with said wound tissue requiring healing and to permit and cause said epidermal growth factor to accelerate the healing of the wound defined by said wound tissue.